

AMENDMENTS TO THE CLAIMS

1-15. (Canceled)

16. (Currently amended) The audio system according to claim ~~15~~ 18, wherein the DSP parameter includes constituent of a head relation transfer function for a right ear, constituent of a head relation transfer function for a left ear and constituent representing difference between both ears with respect to time of arrival of an identical sound at both ears.

17. (Canceled)

18. (Currently amended) An ~~The audio system according to claim 17,~~
comprising:

a virtual speaker position operation part, an adjustable position of a virtual speaker being given through the virtual speaker position operation part;

a sending unit for sending DSP parameter data that is prepared for each of sampling frequencies and includes data defining the adjustable position of the virtual speaker given through the virtual speaker position operation part;

a first memory for storing the DSP parameter data being sent from the sending unit;

audio signal terminals corresponding to sound sources, where audio signals from the sound sources are input through the audio signal terminals;

a selector for selecting a sound source from among the sound sources;

a sound field processor for sound field processing the sound signal from the selected sound source using one of the DSP parameter data corresponding to the sampling frequency of the sound source selected by the selector; and

an output terminal, the audio signal processed by the sound field processor being output through the output terminal,

wherein the memory is a first memory the sound field processor processes the sound signal using the DSP parameter data stored in the first memory and the audio system further comprises a second memory which stores an initial state of the DSP parameter data, and wherein the sound field processor operates according to the DSP parameter data stored in the second memory when the DSP parameter data is missing in the first memory.

19. (Currently amended) An ~~The audio system according to claim 17, further comprising:~~

a virtual speaker position operation part, an adjustable position of a virtual speaker being given through the virtual speaker position operation part;

a sending unit for sending DSP parameter data that is prepared for each of sampling frequencies and includes data defining the adjustable position of the virtual speaker given through the virtual speaker position operation part;

a memory for storing the DSP parameter data being sent from the sending unit;

audio signal terminals corresponding to sound sources, where audio signals from the sound sources are input through the audio signal terminals;

a selector for selecting a sound source from among the sound sources;

a sound field processor for sound field processing the sound signal from the selected sound source using one of the DSP parameter data corresponding to the sampling frequency of the sound source selected by the selector;

an output terminal, the audio signal processed by the sound field processor being output through the output terminal; and

a central processing unit which detects whether the DSP parameter data exists in the ~~first~~ memory and sets the sound field processor to a state of operation using the DSP parameter data in the ~~first~~ memory,

wherein the sound field processor processes the sound signal using the DSP parameter data stored in the memory.

20. (Currently amended) ~~An~~ The audio system ~~according to claim 17,~~
comprising:

a virtual speaker position operation part, an adjustable position of a virtual speaker being given through the virtual speaker position operation part;

a sending unit for sending DSP parameter data that is prepared for each of sampling frequencies and includes data defining the adjustable position of the virtual speaker given through the virtual speaker position operation part;

a memory for storing the DSP parameter data being sent from the sending unit;

audio signal terminals corresponding to sound sources, where audio signals from the sound sources are input through the audio signal terminals;

a selector for selecting a sound source from among the sound sources;

a sound field processor for sound field processing the sound signal from the selected sound source using one of the DSP parameter data corresponding to the sampling frequency of the sound source selected by the selector; and

an output terminal, the audio signal processed by the sound field processor being output through the output terminal,

wherein the sound field processor processes the sound signal using the DSP parameter data stored in the memory, and the sending unit comprises a display screen displaying a GUI image showing a virtual speaker item, a user adjusting the position of the virtual speaker by moving the virtual speaker item, the sending unit sending DSP parameter data corresponding to the adjusted position of the virtual speaker by the user.

21. (new) The audio system according to claim 19, wherein the DSP parameter includes constituent of a head relation transfer function for a right ear, constituent of a head relation transfer function for a left ear and constituent representing difference between both ears with respect to time of arrival of an identical sound at both ears.

22. (new) The audio system according to claim 20, wherein the DSP parameter includes constituent of a head relation transfer function for a right ear, constituent of a head relation transfer function for a left ear and constituent representing difference between both ears with respect to time of arrival of an identical sound at both ears.